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Wu, F.M.; Kulawansa, D.M.; Solonenko, M.; Hatfield, L.L.; Menzel, E.R.;

Electrical Insulation and Dielectric Phenomena, 1994. IEEE 1994 Annual Rep  
Conference on , 23-26 Oct. 1994  
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Electronics Packaging Manufacturing, IEEE Transactions on [see also Component Packaging and Manufacturing Technology, Part C: Manufacturing, IEEE Transactions], Volume: 25, Issue: 4, Oct. 2002

Pages:284 - 288

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Electronic Components and Technology Conference, 2003. Proceedings. 53rd 27-30, 2003

Pages:1746 - 1753

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Transmission and Distribution Conference and Exposition, 2001

IEEE/PES, Volume: 2, 28 Oct.-2 Nov. 2001

Pages:877 - 881 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(413 KB\)\]](#)   **IEEE CNF****4 Effect of sol processing parameters on dye-sensitized TiO<sub>2</sub> solar cell spin-coating method***Rahman, Md.M.; Tanaka, H.; Soga, T.; Jimbo, T.; Umeno, M.;*

Photovoltaic Specialists Conference, 2000. Conference Record of the Twenty-I  
IEEE , 15-22 Sept. 2000  
Pages:806 - 809

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**5 In vitro and in vivo calcification of Nafion membrane used for implantable biosensors**

*Moussy, F.; Mercado, R.C.;*

Engineering in Medicine and Biology society, 1997. Proceedings of the 19th A  
International Conference of the IEEE , Volume: 6 , 30 Oct.-2 Nov. 1997

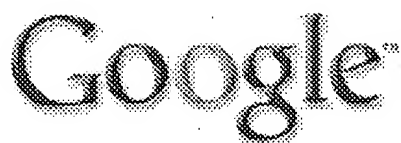
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### MPV - Dye penetration testing

... on the surface. The **dye penetration testing** is suitable for the surface **crack testing** of almost all materials. It is broadly used ...

[www.mpv.de/mpv\\_english/le\\_0121.html](http://www.mpv.de/mpv_english/le_0121.html) - 15k - [Cached](#) - [Similar pages](#)

### MPV - Surface crack testing

[www.mpv.de/mpv\\_english/le\\_012.html](http://www.mpv.de/mpv_english/le_012.html) - 12k - [Cached](#) - [Similar pages](#)

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### PhysicsWeb - Products & Press - Unique camera offers safety ...

... Traditional **crack** detection methods however are rather slow. **Visual testing** methods

are still the most ... Among them, **dye penetration testing** is probably the most ...

[physicsweb.org/press/6010](http://physicsweb.org/press/6010) - 15k - [Cached](#) - [Similar pages](#)

### Showcase: MPV Mess- und Prüftechnik Vogt GmbH

... and erosion inspection of pressure tanks, **crack** depth measurement of a ball valve to determine **crack** extent and progression, **dye penetration tests** of an air ...

[www.ndt.net/exhibit/cust\\_sh/mpv\\_sh1.htm](http://www.ndt.net/exhibit/cust_sh/mpv_sh1.htm) - 6k - [Cached](#) - [Similar pages](#)

### Acoustic resonance analysis in manufacturing - processes and ...

... All the specimens that proved unusual during **crack testing** with the **dye penetration** method, also show significant differences against the mean non-defective ...

[www.ndt.net/article/v05n01/hertlin/hertlin.htm](http://www.ndt.net/article/v05n01/hertlin/hertlin.htm) - 19k - [Cached](#) - [Similar pages](#)

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### Resonance spectroscopy for 100% quality assurance on mass produced ...

... indeed (0.01% by volume - this converts into a **crack** typically 0.3 ... Resonance spectroscopy has been compared in **tests** with **dye penetration** and destructive ...

[www.cambridge-en.com/Ultrasonics/Resonance%20spectroscopy.html](http://www.cambridge-en.com/Ultrasonics/Resonance%20spectroscopy.html) - 10k - [Cached](#) - [Similar pages](#)

### Circuits Assembly -- The Journal for Surface Mount and Electronics ...

... **Dye penetration** is purely a failure analysis technique or comparative ... that have been through environmental **testing** for the degree of **cracking** that may have ...

[www.circuitsassembly.com/online/0109/0109willis.shtml](http://www.circuitsassembly.com/online/0109/0109willis.shtml) - 19k - [Cached](#) - [Similar pages](#)

### 6- Dye Tests to Asses Microleakage Data and Method (Section 4D)

... Adhesives requiring light curing will be cured using the **test** light. ... up to the marginal ridge will also be painted to prevent **penetration** of the **dye** to the ...

[www.cranews.com/newsletter/highlights/03-11/6.htm](http://www.cranews.com/newsletter/highlights/03-11/6.htm) - 25k - [Cached](#) - [Similar pages](#)

### Liquid Penetrant Testing

... **Testing** Liquid Penetrant **Testing** using the **dye penetration** examination process is a widely used method for the detection of surface **cracks** in nonporous metal ...

[www.gigahertz-optik.de/en/tutorial/measurement\\_of\\_light/testing/liquid\\_penetrant\\_testing.html](http://www.gigahertz-optik.de/en/tutorial/measurement_of_light/testing/liquid_penetrant_testing.html) - 22k - [Cached](#) - [Similar pages](#)

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Vision Systems Design - Imaging and Machine Vision Technology

... Traditional **crack**-detection methods, however, are rather slow ... Visual **testing** methods are still the most ... Among them, **dye-penetration testing** is the most popular ...

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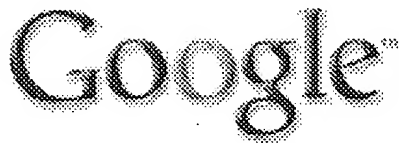
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### US Bellows: Dye Test

... The **dye** is applied evenly on the surface to be **tested**. A time for **penetration** of the **dye** chemical inside the defect is allowed and then the **dye** on the ...

[www.usbellows.com/services/dye\\_test.htm](http://www.usbellows.com/services/dye_test.htm) - 17k - [Cached](#) - [Similar pages](#)

### US Bellows: Product Testing

... compensating bellows. **Dye Penetration Testing**. Liquid **Dye** is used to located leaks or **cracks** in the bellows. **Hydro Testing**. Bellows ...

[www.usbellows.com/services/pro\\_test.htm](http://www.usbellows.com/services/pro_test.htm) - 16k - [Cached](#) - [Similar pages](#)

### AAE - Abstracts

... In contrast to **dye penetration tests**, the effects of different factors on the ... Evaluation

for **Cracks** Associated with Ultrasonic Root-End Preparation of Gutta ...

[www.aae.org/abstracts/abst0597.html](http://www.aae.org/abstracts/abst0597.html) - 31k - [Cached](#) - [Similar pages](#)

### Characterisation of the dye penetration test analysis methods

... **penetration test** is often used to detect surface defects on machined parts. This method materialises the surface defects using a **dye** that penetrates the **cracks** ...

[w2.nasatech.com/ITB/Fr/13\\_387.html](http://w2.nasatech.com/ITB/Fr/13_387.html) - 4k - [Cached](#) - [Similar pages](#)

### International Tech Briefs - Test and Control Technology

... of the **dye penetration test** analysis methods; Laser welding of a "T" shape assembly from the outside; Impulsion X-ray source; Holographic **Crack** Recognition; ...

[w2.nasatech.com/ITB/test\\_and\\_control.html](http://w2.nasatech.com/ITB/test_and_control.html) - 5k - [Cached](#) - [Similar pages](#)

### optics.org - News - Laser heating detects cracks (January 2004)

... However, **tests** to date have centred on the use ... could become a promising alternative to **dye penetration** inspection which uses a fluorescent **dye** that gets ...

[optics.org/articles/news/10/1/8/1](http://optics.org/articles/news/10/1/8/1) - 18k - [Cached](#) - [Similar pages](#)

[PDF] <http://www.gigahertz-optik.com> > www.gigahertz-optik.com ...

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... are in use: **Dye penetration** Process: A colored liquid is applied to the surface of the object under **test** which penetrates into any surface **cracks** that may ...

[www.gigahertz-optik.de/pdf/f\\_non\\_destructive\\_testing.PDF](http://www.gigahertz-optik.de/pdf/f_non_destructive_testing.PDF) - [Similar pages](#)

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### Dye Penetrant Testing

... suspension) sprayed on to reveal defects; **Dye** can be ... Heat affect zone **cracks**; Poor weld **penetration**; Heat treatment ... ASTM E165-02, Standard **Test** Method for Liquid ...

[www.materials.co.uk/dyepen.htm](http://www.materials.co.uk/dyepen.htm) - 6k - [Cached](#) - [Similar pages](#)

### Powertech - Maintenance Repair and Life Extension

... current, magnetic particle, and **dye penetration** inspection equipment. ... Hydraulic burst **test** equipment. Creep **test** apparatus. ... repair. In-situ **crack** repair. Corrosion ...

[www.powertech.bc.ca/cfm/index.cfm?It=901&Id=27](http://www.powertech.bc.ca/cfm/index.cfm?It=901&Id=27) - 12k - [Cached](#) - [Similar pages](#)

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... Action: Inspection, **dye penetration crack test** and replacement of longitudinal control couplings in accordance with the Technical Notes. ...

[www.lba.de/dokumente/ad/98-323-e.pdf](http://www.lba.de/dokumente/ad/98-323-e.pdf) - [Similar pages](#)



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